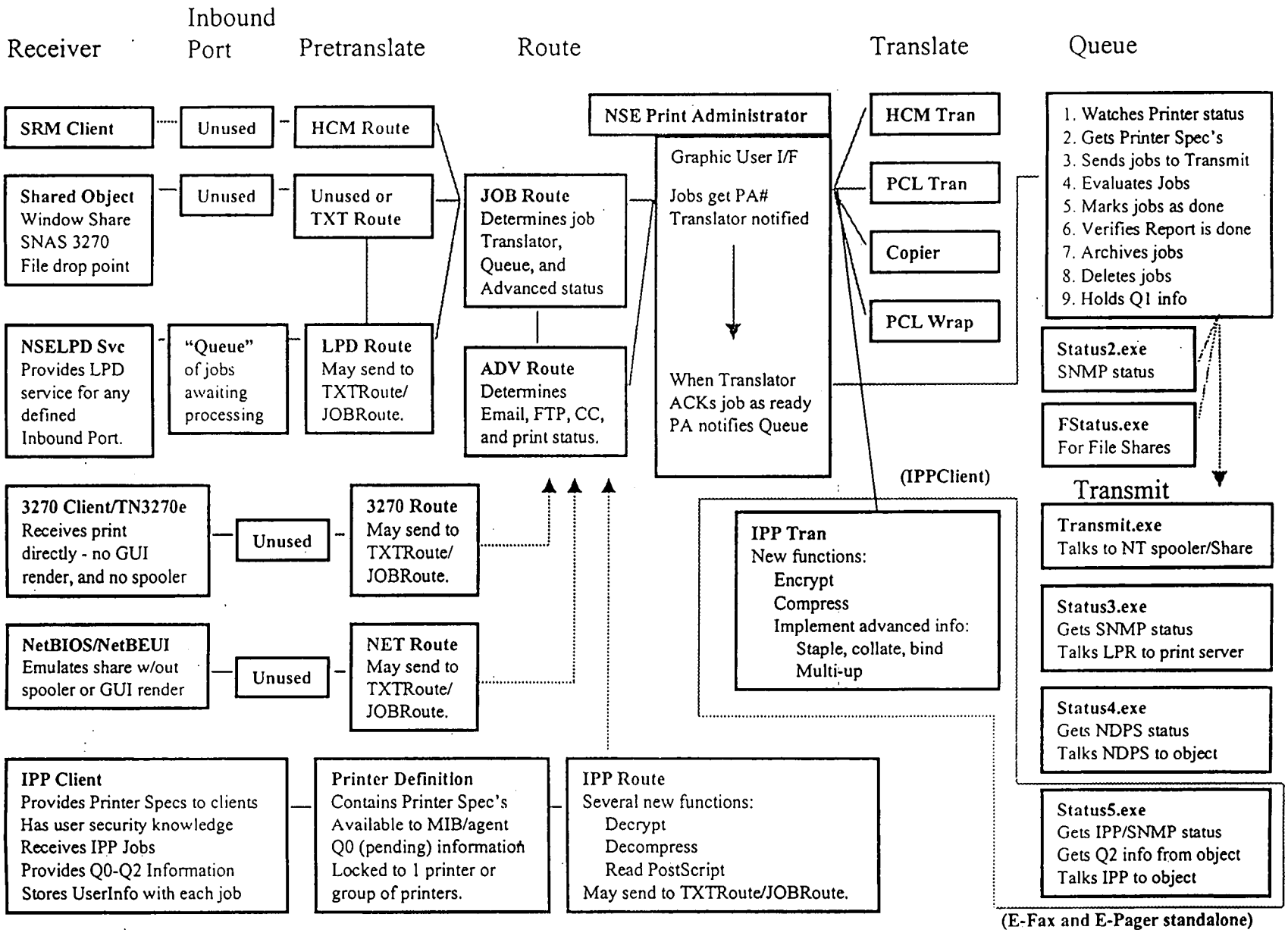

Receiver
Inbound Port
Pretranslate
Route
Translate
Queue
SRM Client
Unused
HCM Route
Shared Object
Window Share
SNAS 3270
File drop point
Unused
Unused or TXT Route
NSELPD Svc
Provides LPD service for any defined Inbound Port.
"Queue" of jobs awaiting processing
LPD Route
May send to TXTRoute/ JOBRoute.
JOB Route
Determines job Translator, Queue, and Advanced status
ADV Route
Determines Email, FTP, CC, and print status.
NSE Print Administrator
Graphic User I/F
Jobs get PA#
Translator notified
When Translator ACKs job as ready
PA notifies Queue
HCM Tran
PCL Tran
Copier
PCL Wrap
1. Watches Printer status
2. Gets Printer Spec's
3. Sends jobs to Transmit
4. Evaluates Jobs
5. Marks jobs as done
6. Verifies Report is done
7. Archives jobs
8. Deletes jobs
9. Holds Q1 info
Status2.exe
SNMP status
FStatus.exe
For File Shares
(IPPClient)
Transmit
Transmit.exe
Talks to NT spooler/Share
Status3.exe
Gets SNMP status
Talks LPR to print server
Status4.exe
Gets NDPS status
Talks NDPS to object
Status5.exe
Gets IPP/SNMP status
Gets Q2 info from object
Talks IPP to object
3270 Client/TN3270e
Receives print directly - no GUI render, and no spooler
Unused
3270 Route
May send to TXTRoute/ JOBRoute.
NetBIOS/NetBEUI
Emulates share w/out spooler or GUI render
Unused
NET Route
May send to TXTRoute/ JOBRoute.
IPP Tran
New functions:
Encrypt
Compress
Implement advanced info:
Staple, collate, bind
Multi-up
IPP Client
Provides Printer Specs to clients
Has user security knowledge
Receives IPP Jobs
Provides Q0-Q2 Information
Stores UserInfo with each job
Printer Definition
Contains Printer Spec's
Available to MIB/agent
Q0 (pending) information
Locked to 1 printer or group of printers.
IPP Route
Several new functions:
Decrypt
Decompress
Read PostScript
May send to TXTRoute/JOBRoute.
(E-Fax and E-Pager standalone)

FIG. 1

FIG. 2

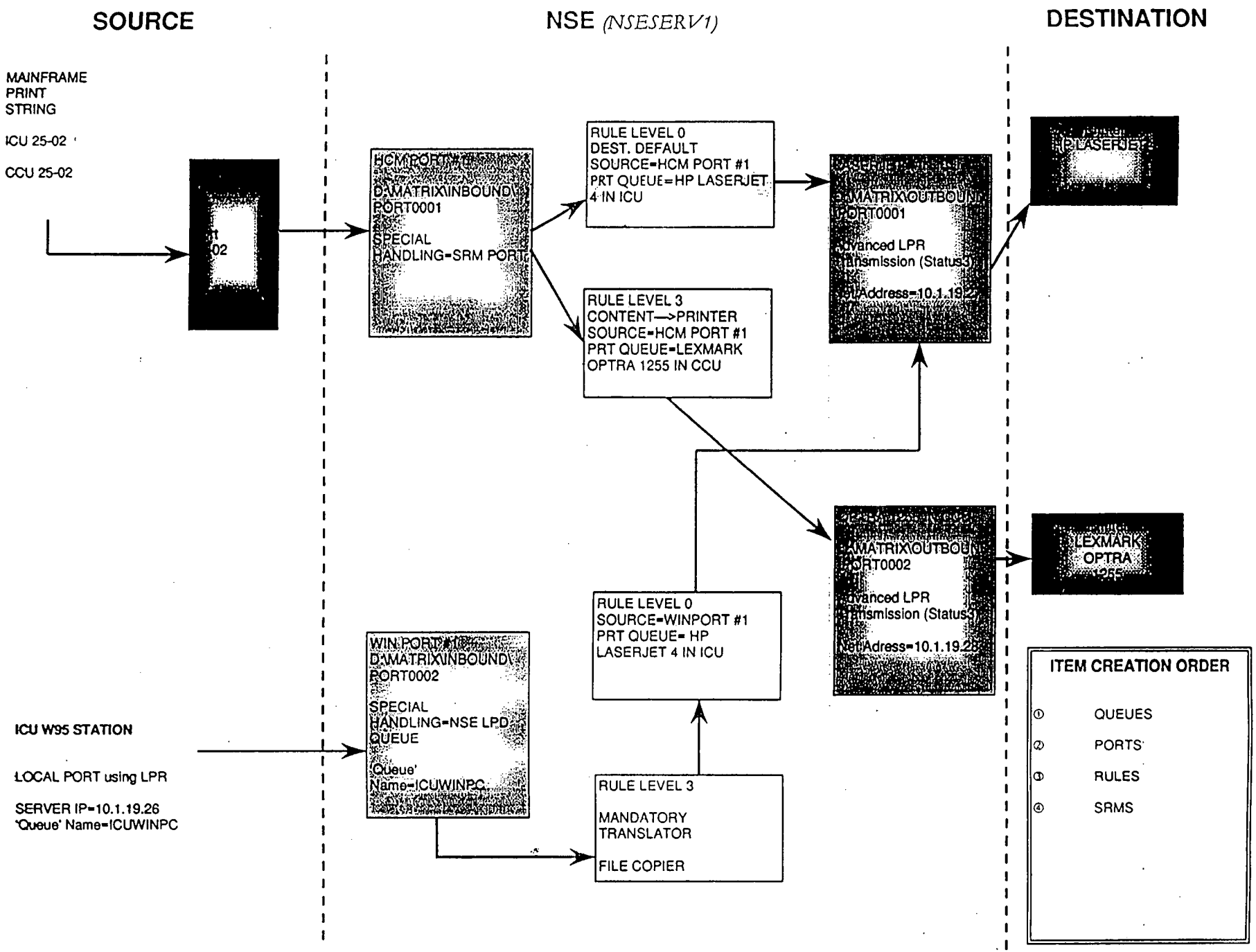
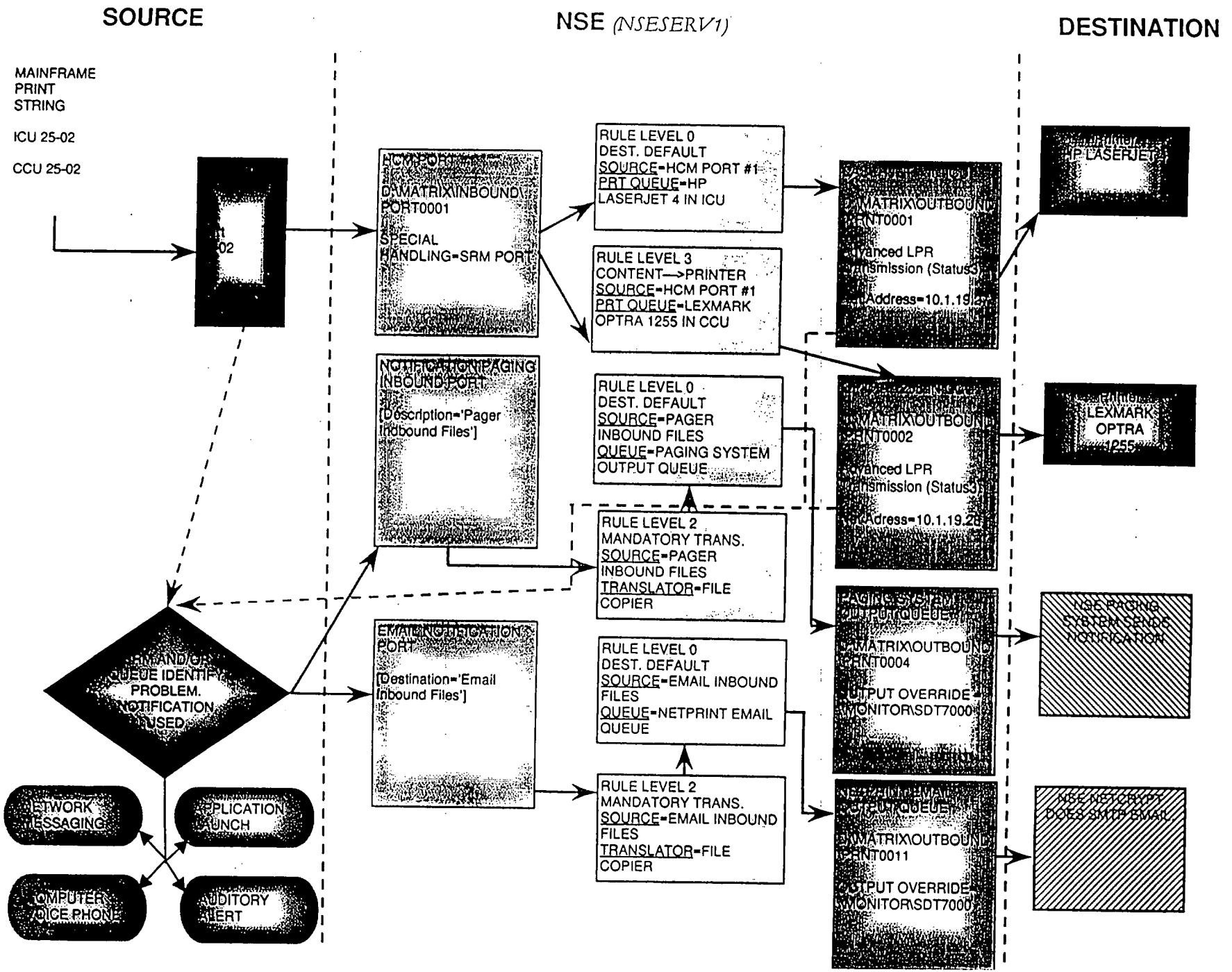

SOURCE
NSE (NSESERV1)
DESTINATION
MAINFRAME
PRINT
STRING
ICU 25-02
CCU 25-02
02
HCM PORT #1
D:\MATRIX\INBOUND\
PORT0001
SPECIAL
HANDLING=SRM PORT
RULE LEVEL 0
DEST. DEFAULT
SOURCE=HCM PORT #1
PRT QUEUE=HP LASERJET
4 IN ICU
RULE LEVEL 3
CONTENT—>PRINTER
SOURCE=HCM PORT #1
PRT QUEUE=LEXMARK
OPTRA 1255 IN CCU
D:\MATRIX\OUTBOUND\
PORT0001
Advanced LPR
Transmission (Status3)
Net Address=10.1.19.27
P LASERJET 4
D:\MATRIX\OUTBOUND\
PORT0002
Advanced LPR
Transmission (Status3)
Net Adress=10.1.19.25
LEXMARK
OPTRA
1255
WIN PORT #1
D:\MATRIX\INBOUND\
PORT0002
SPECIAL
HANDLING=NSE LPD
QUEUE
'Queue'
Name=ICUWINPC
RULE LEVEL 0
SOURCE=WINPORT #1
PRT QUEUE= HP
LASERJET 4 IN ICU
RULE LEVEL 3
MANDATORY
TRANSLATOR
FILE COPIER
ICU W95 STATION
LOCAL PORT using LPR
SERVER IP=10.1.19.26
'Queue' Name=ICUWINPC
ITEM CREATION ORDER
① QUEUES
② PORTS
③ RULES
④ SRMS

FIG. 2



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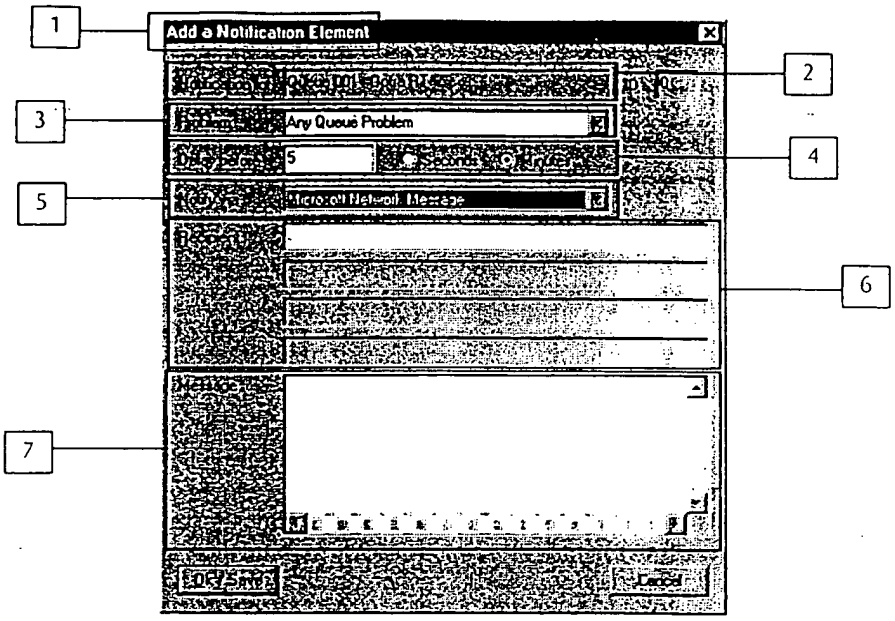

FIG. 4

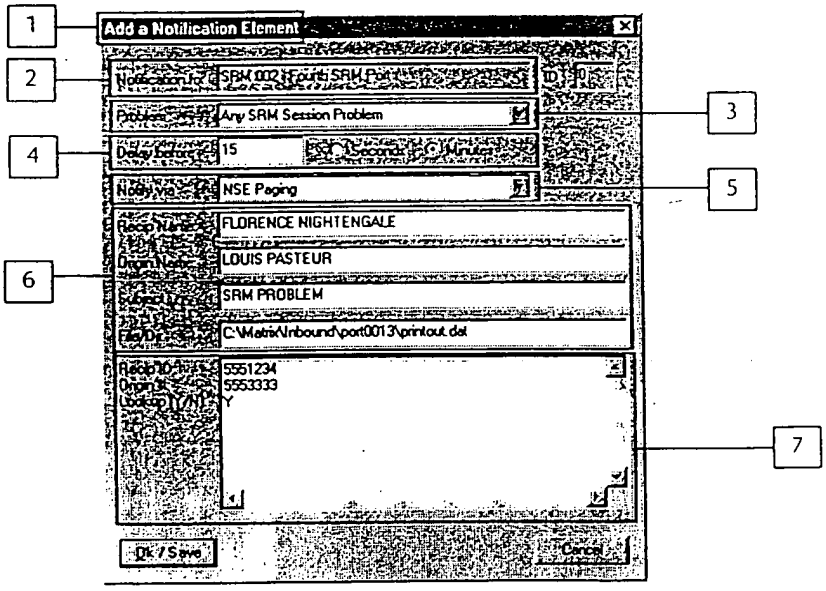

FIG. 5

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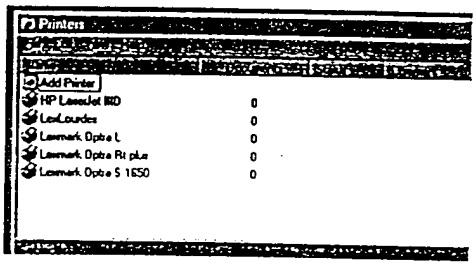
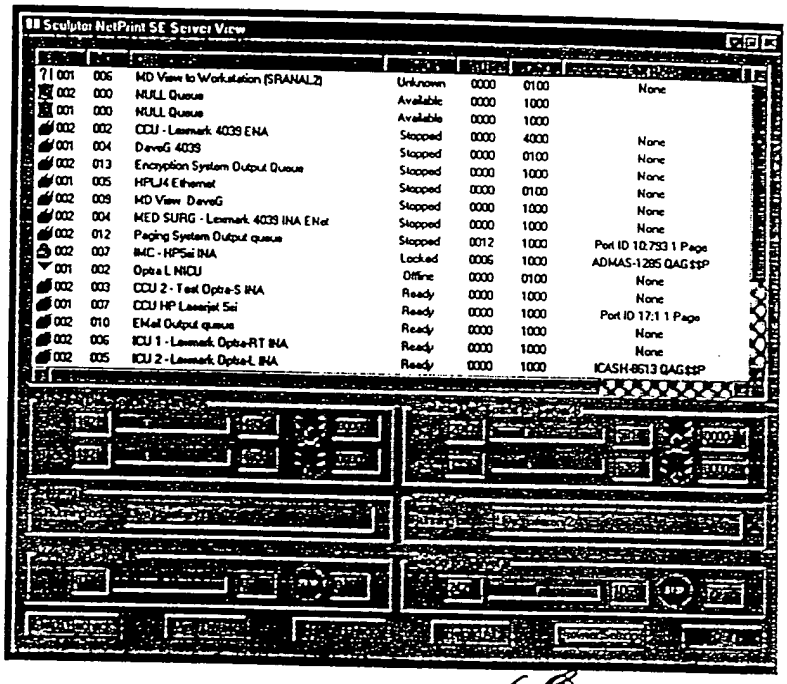
FIG. 6



6A

Microsoft NT Spooler



6B

NetPrint SE NT Spooler

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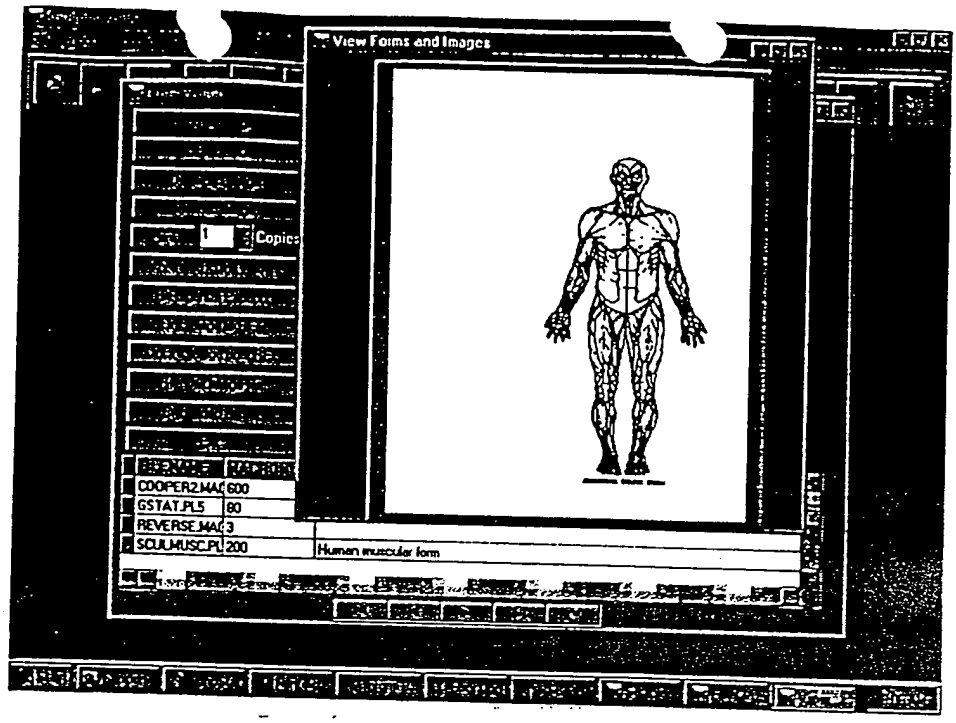
FIG. 7



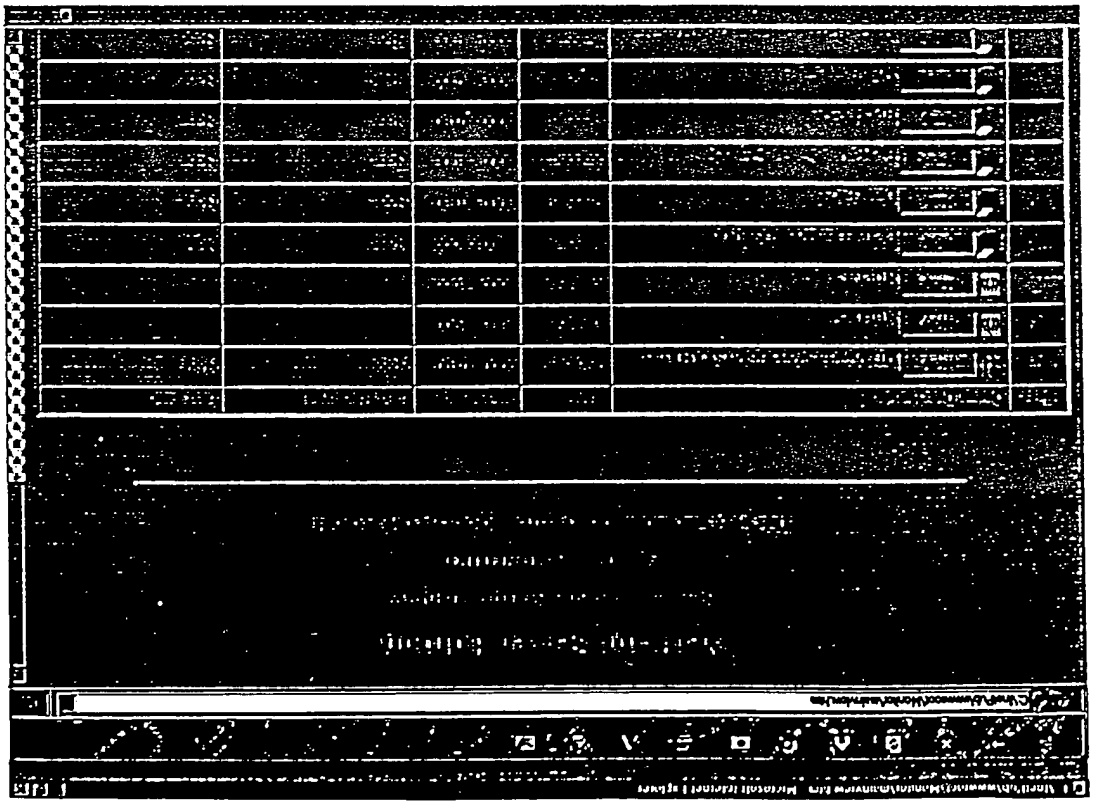


FIG. 8

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